



**U.S. Army
Corps of Engineers**

New England District
Concord, Massachusetts



**U.S. Environmental
Protection Agency**

New England Region
Boston, Massachusetts

**HUMAN HEALTH RISK ASSESSMENT
GE/HOUSATONIC RIVER SITE
REST OF RIVER**

**VOLUME IIB
APPENDIX A
PHASE 1 DIRECT CONTACT SCREENING RISK ASSESSMENT
FIGURES**

DCN: GE-060603-ABPM

6 June 2003

**Environmental Remediation Contract
GE/Housatonic River Project
Pittsfield, Massachusetts**

Contract No. DACW33-00-D-0006

Task Order 0003

**HUMAN HEALTH RISK ASSESSMENT
GE/HOUSATONIC RIVER SITE
REST OF RIVER**

**VOLUME IIB
APPENDIX A
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FIGURES**

**ENVIRONMENTAL REMEDIATION CONTRACT
GENERAL ELECTRIC (GE)/HOUSATONIC RIVER PROJECT
PITTSFIELD, MASSACHUSETTS**

Contract No. DACW33-00-D-0006
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Prepared for

U.S. Army Corps of Engineers

New England District
Concord, Massachusetts

and

U.S. Environmental Protection Agency

New England Region
Boston, Massachusetts

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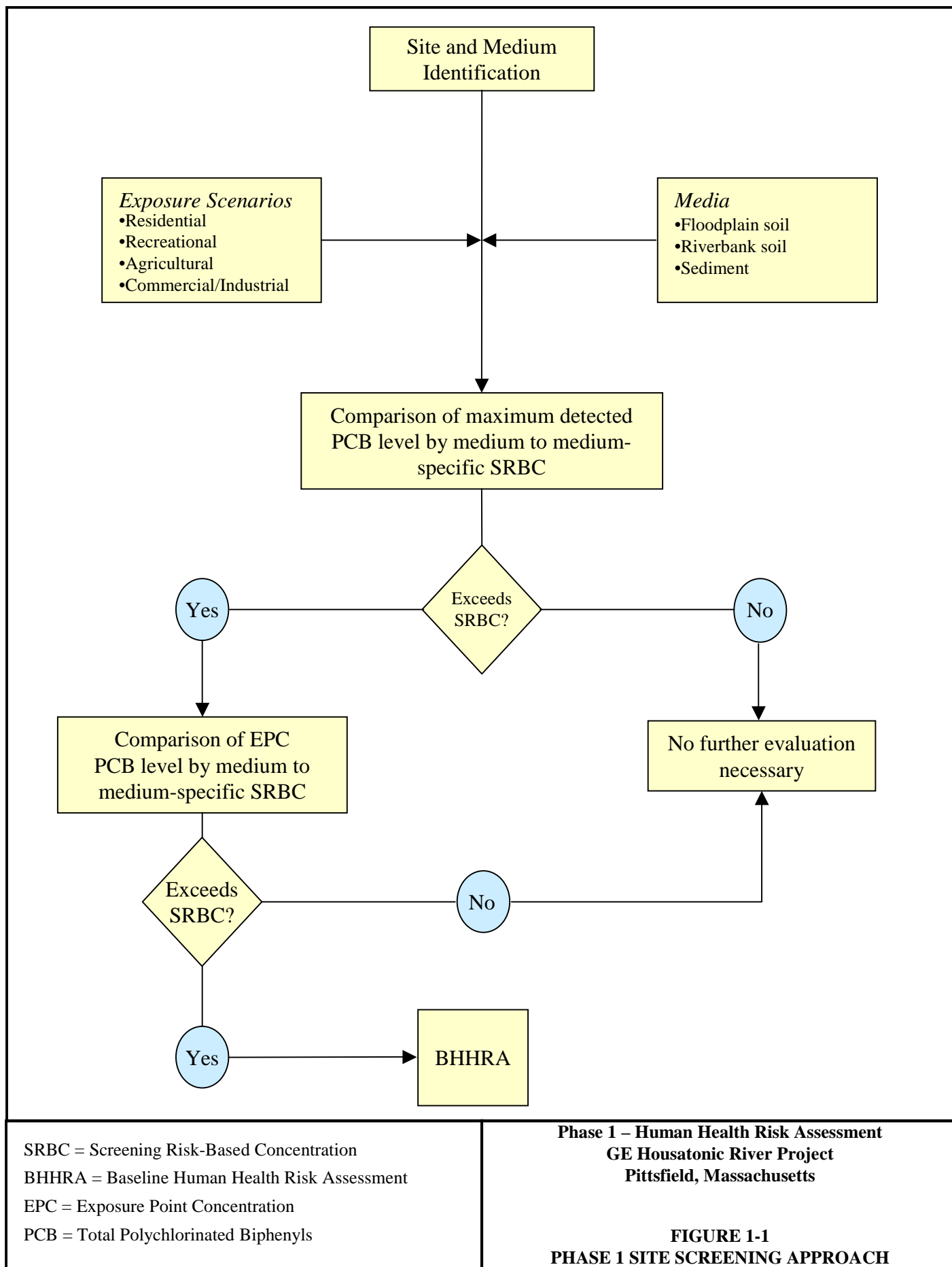
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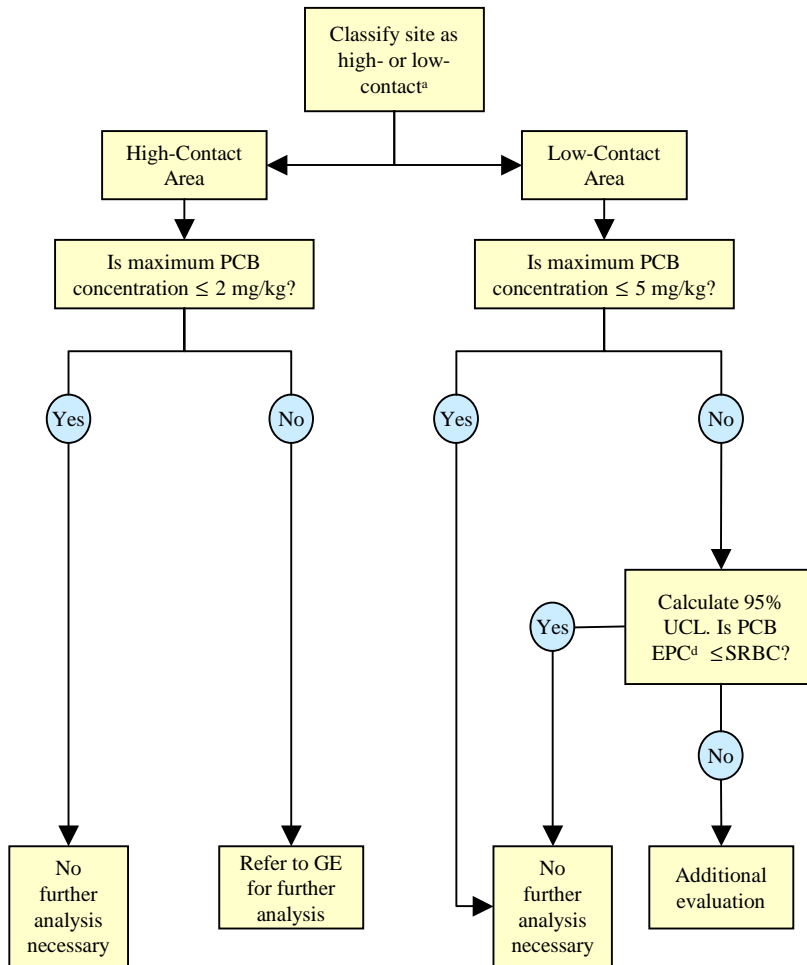
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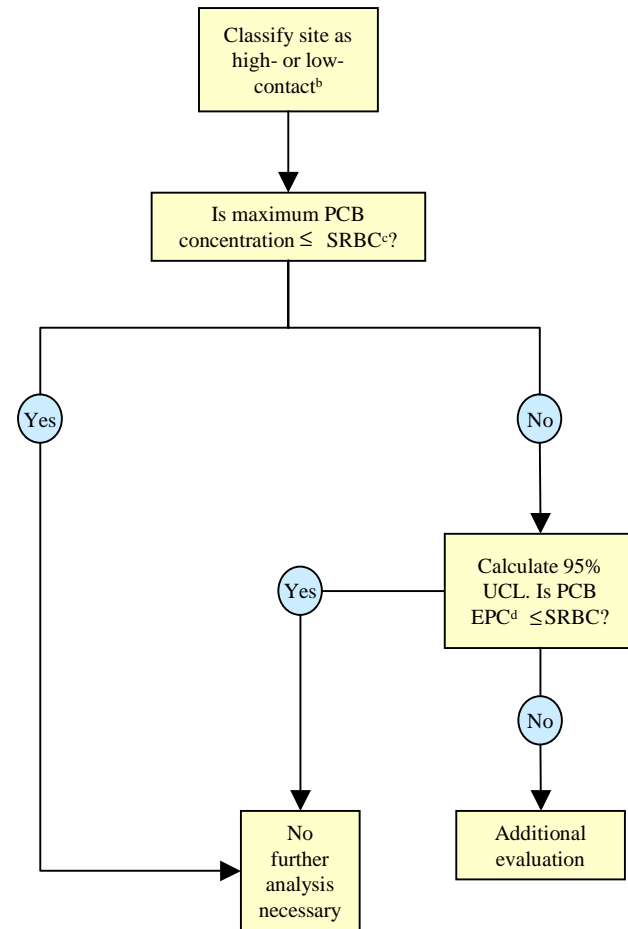
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**Figure 2-1A
FLOODPLAIN SOIL
SRBC for Incidental Ingestion
and Dermal Contact**



**Figure 2-1B
LOW-CONTACT RIVERBANK SOIL AND LOW- AND HIGH-CONTACT
SEDIMENT
SRBC for Incidental Ingestion
and Dermal Contact**



^a Based on definition in the Consent Decree (CD).

^b Accessibility of sediment will be evaluated to determine low-contact or high-contact exposure.

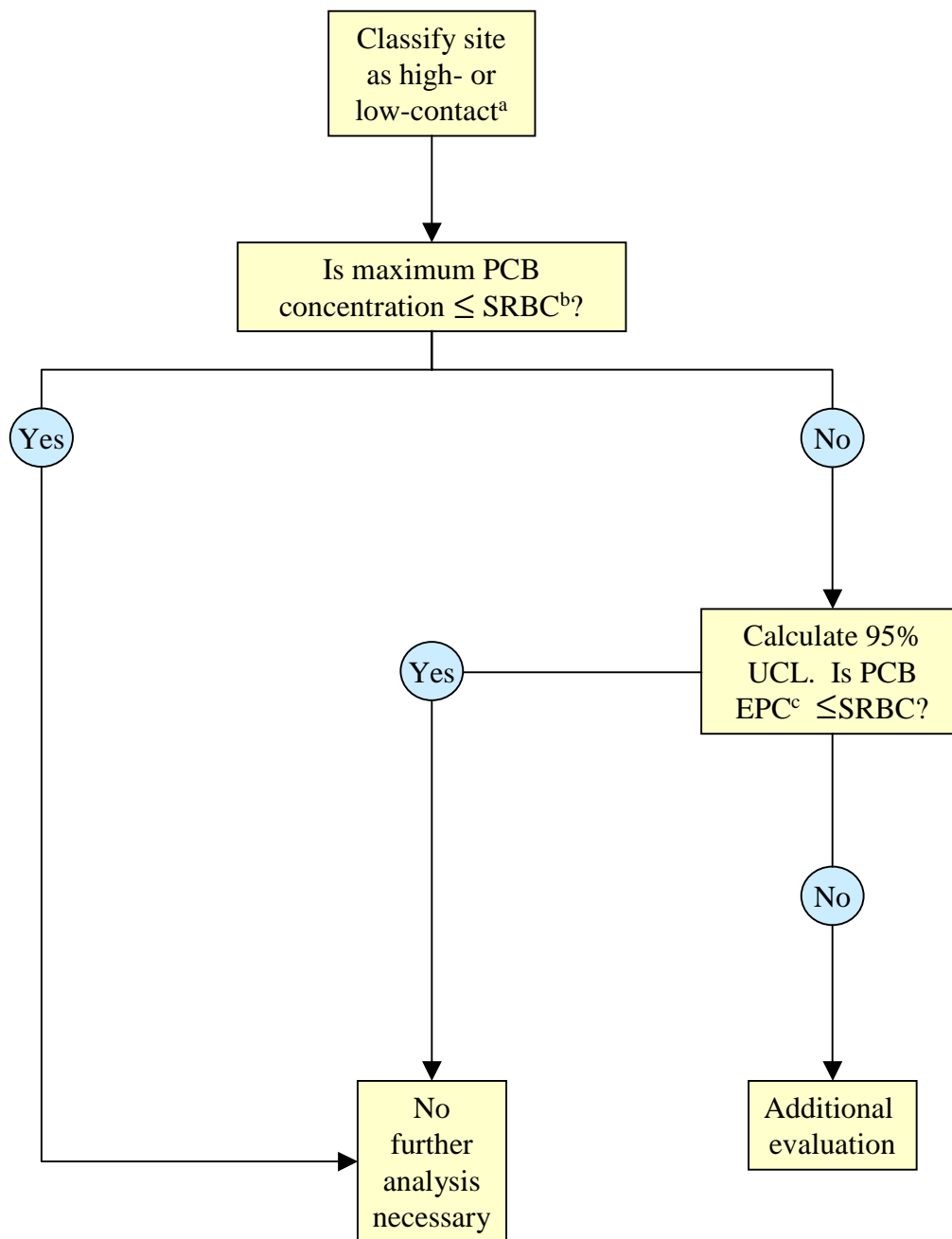
^c SRBCs were calculated for high- and low-contact exposure potential.

^d EPC = Exposure point concentration defined as the lower of either the 95% UCL of the mean or the maximum detected concentration.

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**FIGURE 2-1
PHASE 1 SITE SCREENING APPROACH FOR
RESIDENTIAL EXPOSURE**

**FLOODPLAIN AND RIVERBANK SOIL
AND SEDIMENT
SRBC for Incidental Ingestion
and Dermal Contact**



^a Accessibility of floodplain and riverbank soil and sediment was determined to select low- or high-contact exposure.

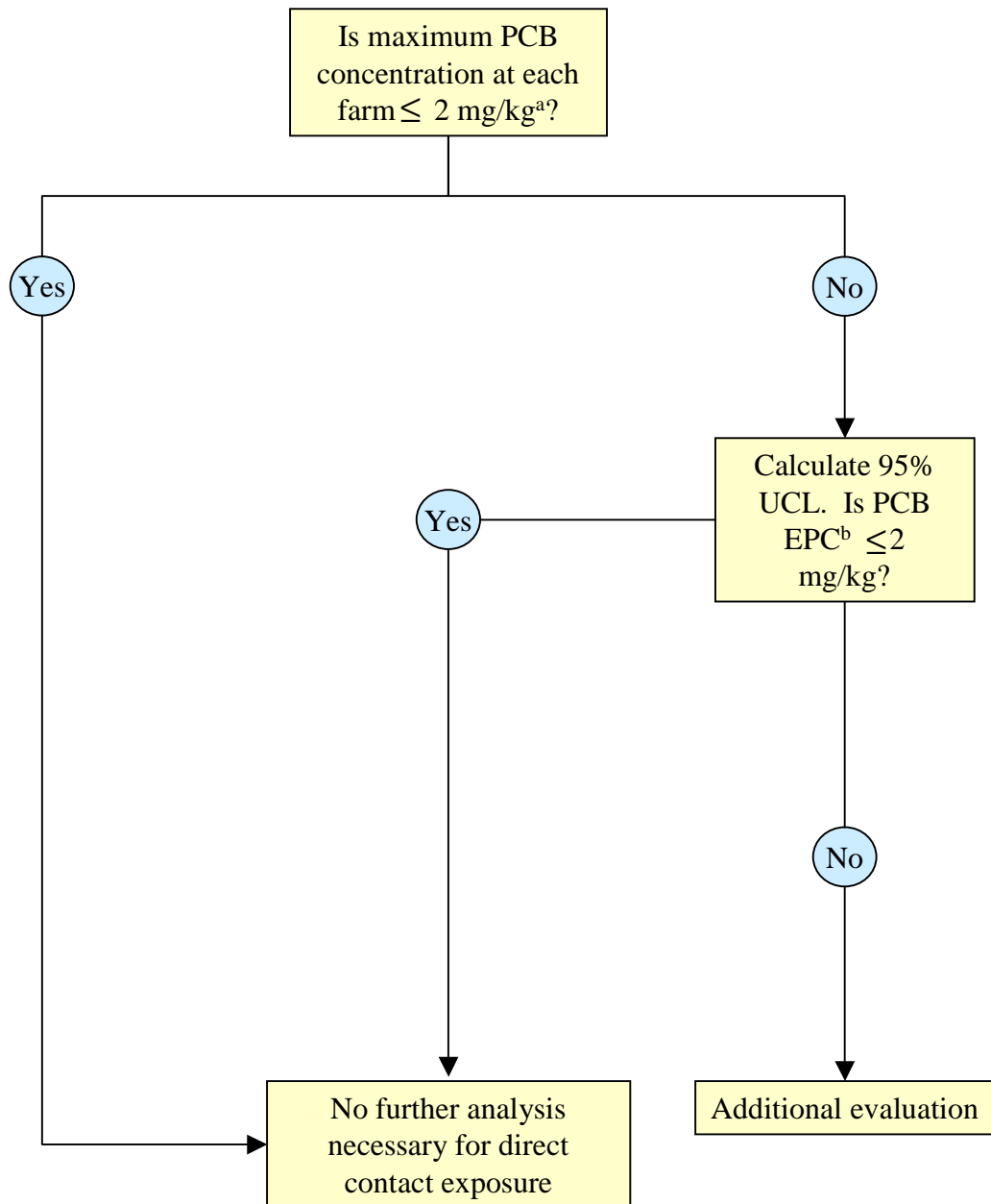
^b SRBCs were calculated for low- and high-contact exposure potential.

^c EPC = Exposure point concentration defined as the lower of either the 95% UCL of the mean or the maximum detected concentration.

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**FIGURE 2-2
PHASE 1 SITE SCREENING APPROACH
FOR RECREATIONAL EXPOSURE**

FLOODPLAIN SOIL SRBC for Direct Soil Contact



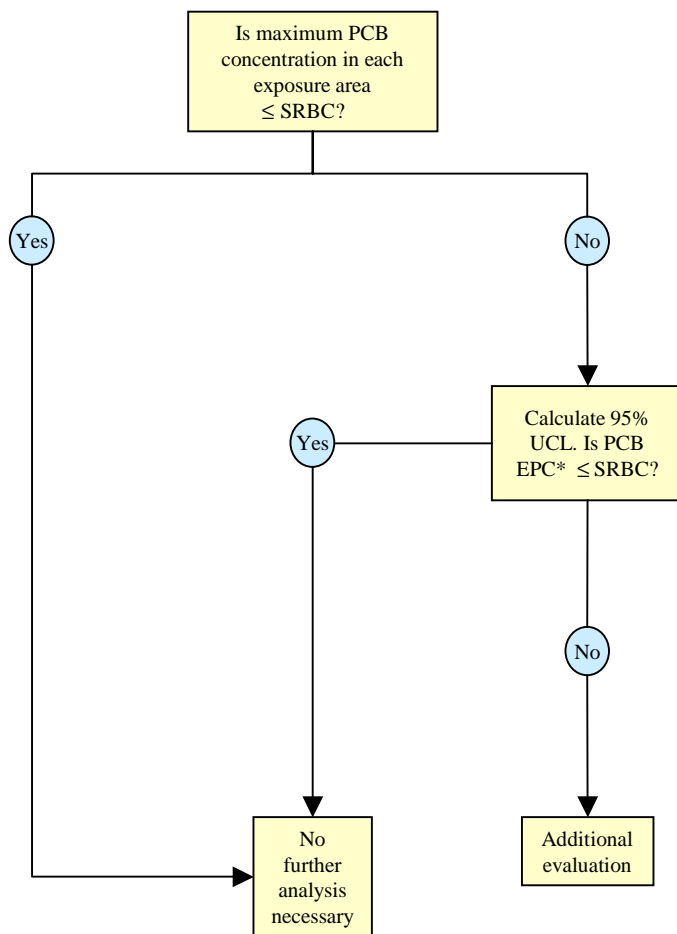
^a The 2 mg/kg value presented for high-contact residential floodplain soil in the Consent Decree was used as the SRBC for agricultural floodplain soil.

^b EPC = Exposure point concentration defined as the lower of either the 95% UCL of the mean or the maximum detected concentration.

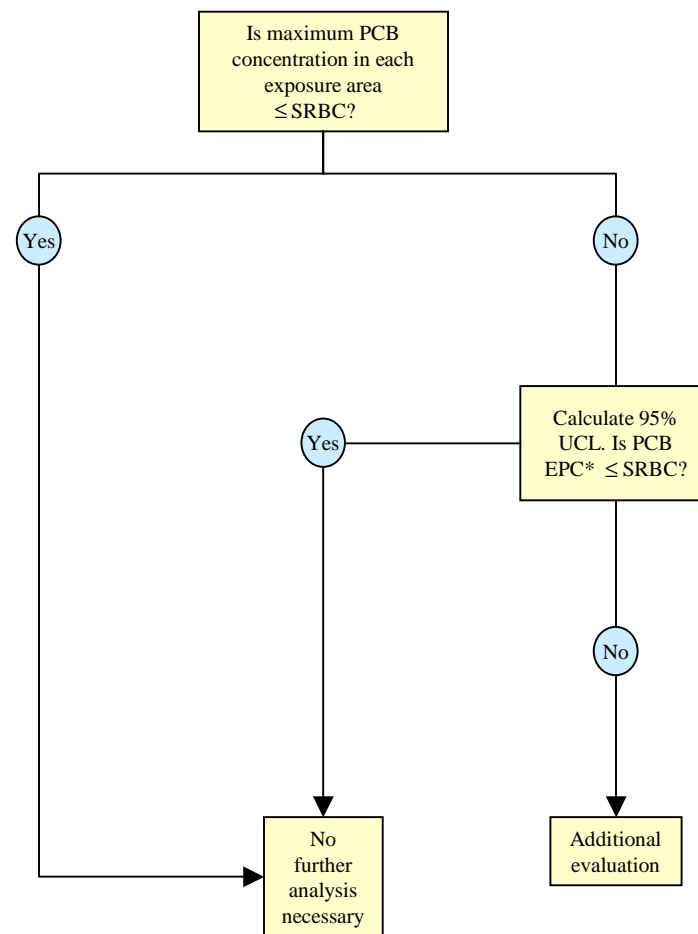
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**FIGURE 2-3
PHASE 1 SITE SCREENING APPROACH
FOR AGRICULTURAL EXPOSURE**

**Figure 2-4A
FLOODPLAIN AND RIVERBANK SOILS
(Utility Worker)
SRBC for incidental ingestion
and dermal contact**



**Figure 2-4B
FLOODPLAIN SOIL
(Groundskeeper)
SRBC for incidental ingestion
and dermal contact**



* EPC = Exposure point concentration defined as the lower of either the 95% UCL of the mean or the maximum detected concentration.

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**FIGURE 2-4
PHASE 1 SITE SCREENING APPROACH FOR
COMMERCIAL/INDUSTRIAL EXPOSURE**